

## CURRICULUM VITAE

[cris@acm.org](mailto:cris@acm.org)  
505.294.1415

Dept. of Computer Science  
Univ. of New Mexico  
Albuquerque, NM 87131

# Cris Pedregal Martin

EDUCATION	<b>Ph.D. Computer Science</b>	Univ. of Massachusetts, 2002	Amherst, Mass.
	<b>M.S. Computer Science</b>	Univ. of Massachusetts, 1994	Amherst, Mass.
	<b>Licenciado Informática</b>	ESLAI (Univ. of Luján), 1988	Argentina

2002                    **University of New Mexico**                    Albuquerque, N.M.  
▪ Investigated transactional recovery in novel applications and platforms; system tradeoffs in novel architectures; information technology infrastructure decay.

RESEARCH EXPERIENCE	1994-2001	<b>University of Massachusetts</b>	Amherst, Mass.
	▪ Investigated foundations of transactional recovery, from databases to mobile to electronic commerce systems; research was central to multi-year \$300K NSF grant.		
	▪ Designed and supervised development and deployment of database-backed web-based instructional system.		

▪ Investigated how to provide programming language support for real-time and for advanced transactions functionality – in collaboration with Bell Labs.

Summer 1994        **Xerox PARC**                    Palo Alto, Calif.  
▪ Worked in design and implementation of multimedia delivery and markup system.

Summer 1993        **GTE Labs (Verizon)**                    Waltham, Mass.  
▪ Investigated integration of advanced transactions into a distributed object manager.

PUBLICATIONS	▪ Cris Pedregal Martin and Krithi Ramamritham: Support for Recovery in Mobile Systems ( <a href="#">PDF</a> ), <i>IEEE Transactions on Computers</i> , 51(10), October 2002.
	▪ Cris Pedregal Martin and Krithi Ramamritham: Guaranteeing Recoverability in Electronic Commerce ( <a href="#">PDF</a> ), in <i>Proc. Third International Workshop on Advanced issues of E-Commerce and Web-Based Information Systems</i> , San Jose, Calif., 21-22 June 2001.
	▪ Agustín Schapira, Kim De Vries, and Cris Pedregal Martin: MANIC: An Open-Source System to Create and Deliver Courses over the Internet ( <a href="#">HTML</a> , <a href="#">PDF</a> ), in <i>Proc. 2001 Symposium On Applications and the Internet (IEEE Computer Society Press)</i> , San Diego, Calif., 11-12 January 2001
	▪ Cris Pedregal Martin and Krithi Ramamritham: Recovery Guarantees in Mobile Systems, ( <a href="#">PDF</a> ), in <i>Proc. International Workshop on Data Engineering for Wireless and Mobile Access</i> , Seattle, Wash., 20 August 1999.
	▪ Cris Pedregal Martin and Krithi Ramamritham: Toward Formalizing Recovery of (Advanced) Transactions ( <a href="#">PDF</a> ), in <i>Advanced Transaction Models and Architectures</i> , S. Jajodia and L. Kerschberg, editors, Kluwer, Boston, 1997.
	▪ Cris Pedregal Martin and Krithi Ramamritham: Delegation: Efficiently Rewriting History ( <a href="#">PDF</a> ), In <i>Proc. of the Thirteenth International Conference on Data Engineering</i> , Birmingham, UK, 7-11 April 1997.



